

WO 01/25251

PCT/US00/27056

## SEQUENCE LISTING

&lt;110&gt; Merck &amp; Co., Inc.

&lt;120&gt; MraY GENE AND ENZYME OF PSEUDOMONAS AERUGINOSA

&lt;130&gt; PCT 20522

&lt;150&gt; 60/157,580

&lt;151&gt; 1999-10-04

&lt;160&gt; 4

&lt;170&gt; FastSEQ for Windows Version 4.0

&lt;210&gt; 1

&lt;211&gt; 1083

&lt;212&gt; DNA

&lt;213&gt; Pseudomonas Aeruginosa

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&lt;210&gt; 2

&lt;211&gt; 360

&lt;212&gt; PRT

&lt;213&gt; Pseudomonas Aeruginosa

&lt;400&gt; 2

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Gly Val Phe Gln Tyr Leu Thr Leu Arg Gly Ile Leu Ser Val Leu Thr		
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Ala Leu Ser Leu Ser Leu Trp Leu Gly Pro Trp Met Ile Arg Thr Leu		
35 40 45		

Gln Ile Pro Gln Ile Gly Gln Ala Val Arg Asn Asp Gly Pro Gln Ser  
 50 55 60  
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 65 70 75 80  
 Thr Ala Ile Ala Ile Ser Thr Leu Leu Trp Ala Asp Leu Ser Asn Arg  
 85 90 95  
 Tyr Val Trp Val Val Leu Val Val Thr Leu Leu Phe Gly Ala Ile Gly  
 100 105 110  
 Trp Val Asp Asp Tyr Arg Lys Val Ile Glu Lys Asn Ser Arg Gly Leu  
 115 120 125  
 Pro Ser Arg Trp Lys Tyr Phe Trp Gln Ser Val Phe Gly Ile Gly Ala  
 130 135 140  
 Ala Val Phe Leu Tyr Met Thr Ala Glu Thr Pro Ile Glu Thr Thr Leu  
 145 150 155 160  
 Ile Val Pro Met Leu Lys Ser Val Glu Ile Gln Leu Gly Ile Phe Phe  
 165 170 175  
 Val Val Leu Thr Tyr Phe Val Ile Val Gly Ser Ser Asn Ala Val Asn  
 180 185 190  
 Leu Thr Asp Gly Leu Asp Gly Leu Ala Ile Met Pro Thr Val Met Val  
 195 200 205  
 Ala Gly Ala Leu Gly Ile Phe Cys Tyr Leu Ser Gly Asn Val Lys Phe  
 210 215 220  
 Ala Glu Tyr Leu Leu Ile Pro Asn Val Pro Gly Ala Gly Glu Leu Ile  
 225 230 235 240  
 Val Phe Cys Ala Ala Leu Val Gly Ala Gly Leu Gly Phe Leu Trp Phe  
 245 250 255  
 Asn Thr Tyr Pro Ala Gln Val Phe Met Gly Asp Val Gly Ala Leu Ala  
 260 265 270  
 Leu Gly Ala Ala Leu Gly Thr Ile Ala Val Ile Val Arg Gln Glu Ile  
 275 280 285  
 Val Leu Phe Ile Met Gly Gly Val Phe Val Met Glu Thr Leu Ser Val  
 290 295 300  
 Met Ile Gln Val Ala Ser Phe Lys Leu Thr Gly Arg Arg Val Phe Arg  
 305 310 315 320  
 Met Ala Pro Ile His His Phe Glu Leu Lys Gly Trp Pro Asp Pro  
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 <212> DNA  
 <213> Artificial Sequence

<220>  
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<220>  
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20522P

10/089787

## SEQUENCE LISTING

<110> El-Sherbeini, Mohamed  
Azzolina, Barbara A.

<120> MraY GENE AND ENZYME OF PSEUDOMONAS  
AERUGINOSA

<130> 20522P

<140> 10/089,787  
<141> 2002-04-03

<150> PCT/US00/27056  
<151> 2000-09-29

<150> 60/157,580  
<151> 1999-10-04

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<210> 2  
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<400> 2

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 Gly Val Phe Gln Tyr Leu Thr Leu Arg Gly Ile Leu Ser Val Leu Thr  
 20 25 30  
 Ala Leu Ser Leu Ser Leu Trp Leu Gly Pro Trp Met Ile Arg Thr Leu  
 35 40 45  
 Gln Ile Pro Gln Ile Gly Gln Ala Val Arg Asn Asp Gly Pro Gln Ser  
 50 55 60  
 His Leu Ser Lys Lys Gly Thr Pro Thr Met Gly Gly Ala Leu Ile Leu  
 65 70 75 80  
 Thr Ala Ile Ala Ile Ser Thr Leu Leu Trp Ala Asp Leu Ser Asn Arg  
 85 90 95  
 Tyr Val Trp Val Val Leu Val Val Thr Leu Leu Phe Gly Ala Ile Gly  
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 115 120 125  
 Pro Ser Arg Trp Lys Tyr Phe Trp Gln Ser Val Phe Gly Ile Gly Ala  
 130 135 140  
 Ala Val Phe Leu Tyr Met Thr Ala Glu Thr Pro Ile Glu Thr Thr Leu  
 145 150 155 160  
 Ile Val Pro Met Leu Lys Ser Val Glu Ile Gln Leu Gly Ile Phe Phe  
 165 170 175  
 Val Val Leu Thr Phe Val Ile Val Gly Ser Ser Asn Ala Val Asn  
 180 185 190  
 Leu Thr Asp Gly Leu Asp Gly Leu Ala Ile Met Pro Thr Val Met Val  
 195 200 205  
 Ala Gly Ala Leu Gly Ile Phe Cys Tyr Leu Ser Gly Asn Val Lys Phe  
 210 215 220  
 Ala Glu Tyr Leu Leu Ile Pro Asn Val Pro Gly Ala Gly Glu Leu Ile  
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 Val Phe Cys Ala Ala Leu Val Gly Ala Gly Leu Gly Phe Leu Trp Phe  
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 Asn Thr Tyr Pro Ala Gln Val Phe Met Gly Asp Val Gly Ala Leu Ala  
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 Val Leu Phe Ile Met Gly Gly Val Phe Val Met Glu Thr Leu Ser Val  
 290 295 300  
 Met Ile Gln Val Ala Ser Phe Lys Leu Thr Gly Arg Arg Val Phe Arg  
 305 310 315 320  
 Met Ala Pro Ile His His His Phe Glu Leu Lys Gly Trp Pro Asp Pro  
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<210> 3  
 <211> 29  
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ttcatatgct cctgctgctg gccgaatac

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